

Patent Claims

1. A device for suspending gas channel elements (23), in particular for suspending guide blades or guide blade segments or gas channel plates or gas channel plate segments, on a housing (19) of a gas turbine, comprising first plate-shaped elements (11, 12, 13, 14) and second plate-shaped elements (15, 16, 17), the first plate-shaped elements (11, 12, 13, 14) and the second plate-shaped elements (15, 16, 17) being connected to one another by web-like elements (18) extending approximately perpendicularly to same and forming a meandering or crenelated profile.
2. The device as recited in Claim 1, characterized in that the first plate-shaped elements (11, 12, 13, 14) are used for the connection with the housing (19) of the gas turbine and the second plate-shaped elements (15, 16, 17) are used for the connection with at least one gas channel element (23).
3. The device as recited in Claim 1 or 2, characterized in that one second plate-shaped element (15; 16; 17) is positioned between two adjacent first plate-shaped elements (11, 12; 12, 13; 13, 14) in such a way that the opposite ends of the second plate-shaped element (15; 16; 17) are connected to one of the two adjacent first plate-shaped elements (11, 12; 12, 13; 13, 14) via one web-like element (18).
4. The device as recited in or more of Claims 1 through 3, characterized in that the web-like elements (18) extend over the entire width of the first plate-shaped elements (11, 12, 13, 14) and/or the second plate-shaped elements (15, 16, 17).
5. The device as recited in one or more of Claims 1 through 4, characterized in that the device is designed as a closed ring having a meandering or crenelated profile.

6. The device as recited in one or more of Claims 1 through 4, characterized in that the device is designed as a ring segment having a meandering or crenelated profile, it being possible to join multiple such ring segments together to form a closed ring.

7. The device as recited in Claim 6, characterized in that a ring segment of this type has four first plate-shaped elements (11, 12, 13, 14) and three second plate-shaped elements (15, 16, 17), the three second plate-shaped elements (15, 16, 17) being connected to the four first plate-shaped elements (11, 12, 13, 14) via a total of six web-like elements (18) extending approximately perpendicularly to same.

8. The device as recited in one or more of Claims 1 through 7, characterized in that boreholes (20) are introduced into the first plate-shaped elements (11, 12, 13, 14) into which bolt-like mounting elements (21) are insertable on the housing side for the connection to the housing (19) of the gas turbine.

9. The device as recited in one or more of Claims 1 through 8, characterized in that, for the connection to the gas channel element or each gas channel element, the second plate-shaped elements (15, 17) are insertable into recesses (26) assigned to projections (25) of the gas channel elements (23).

10. The device as recited in one or more of Claims 1 through 9, characterized in that at least one of the second plate-shaped elements (16) has a guide pin (27) for circumferential centering or circumferential adjustment.